



DOCKET NO.: L0461.70078US00

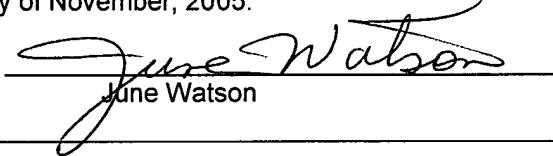
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Old, et al.
Serial No.: 09/462,929
Confirmation No.: 5664
Int'l. Filing Date: July 15, 1998
For: CANCER ASSOCIATED ANTIGENS AND USES THEREFOR

Examiner: Sisson, Bradley L.
Art Unit: 1634

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to **Mail Stop RCE**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313 1450, on the 23rd day of November, 2005.


June Watson

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

International Search Report from PCT application PCT/US98/14679.

PART III: Explanation of Non-English Language References and Remarks Concerning Other Information Cited

The following is a concise explanation of the relevance of each non-English language reference listed on the attached form PTO-1449 (modified):

The following are remarks concerning the other information cited:

PART IV: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

Serial No.: 09/462,929
Conf. No.: 5664

Art Unit: 1634

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,


John R. Van Amsterdam, Reg. No. 40,212
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210
Telephone (617) 646-8000

Docket No. L0461.70078US00
Date: November 23, 2005
xNDD



FORM PTO-1449/A and B (Modified 10-2003)
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 1 of 5

APPLICATION NO.: 09/462,929 DOCKET NO.: L0461.70078US00

INT'L. FILING DATE: 07/15/1998 Confirmation No.: 5664

APPLICANT: Old, et al.

GROUP ART UNIT: 1634 EXAMINER: Sisson, Bradley L.

U.S. PATENT DOCUMENTS

Examiner's Initials#	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	A1	5,858,723	A	Mueller-Lantzsch et al.	01-12-1999
	A2	5,698,396	B1	Pfreundschuh	12-16-1997

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	B1	WO	97/17470	A	Holland, James F.	05-15-1997	
	B2	GB	2273099	A	Asta Medica AG	06-08-1994	
	B3	WO	97/17441	A	Kaneka Corporation	05-15-1997	
	B4	EP	0 869 176	A	Kaneka Corporation	10-07-1998	
	B5	WO	97/02362	A	Fox Chase Cancer Center	01-23-1997	
	B6	WO	96/15149	A	Univ. Washington	05-23-1996	
	B7	WO	97/21729	A	Sloan Kettering Inst for Cancer Research	06-19-1997	
	B8	WO	96/29409	A	Ludwig Institute for Cancer Research	09-26-1996	
	B9	WO	92/20356	A	Ludwig Institute for Cancer Research	11-26-1992	
	B10	WO	95/23874	A	Ludwig Institute for Cancer Research	09-08-1995	
	B11	WO	96/10413	A	Ludwig Institute for Cancer Research	04-11-1996	
	B12	WO	98/40483	A	Human Genome Sciences, Inc.	09-17-1998	
	B13	WO	98/08866	A	Wistar Institute	03-05-1998	
	B14	WO	98/48015	A	Chugai Res Inst Molecular Med	10-29-1998	
	B15	WO	98/32853	A	Genetics Institute	07-30-1998	

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 09/462,929	DOCKET NO.: L0461.70078US00
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				INT'L. FILING DATE: 07/15/1998	Confirmation No.: 5664
				APPLICANT: Old, et al.	
Sheet	2	of	5	GROUP ART UNIT: 1634	EXAMINER: Sisson, Bradley L.

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C1	VAUGHN, J.H. et al. , "Epstein-Barr virus-induced autoimmune responses," JOURNAL OF CLINICAL INVESTIGATION , Vol. 95, No. 3, March 1995, pgs. 1306-1315	
	C2	MASHIMO, J. et al. , "Decrease in the expression of a novel TGF betal-inducible and ras-recision gene, TSC-36, in human cancer cells," CANCER LETTERS , Vol. 113, March 1997, pgs. 213-219	
	C3	MACHIELS, B.M. et al. , "Nuclear lamin expression in normal testis and testicular germ cell tumours of adolescents and adults," JOURNAL OF PATHOLOGY , Vol. 182, No. 2, June 1997, pgs. 197-204	
	C4	COATES, P.J. et al. , "Identification of the antigen recognized by the monoclonal antibody BU31 as lamins A and C," JOURNAL OF PATHOLOGY , Vol. 178, No. 1, January 1996, pgs. 21-29	
	C5	ZWIJSEN, A. et al. , "Characterization of a rat C6 glioma-secreted follistatin-related protein (FRP); cloning and sequencing of the human homologue," EUROPEAN JOURNAL OF BIOCHEMISTRY , Vol. 225, No. 3, November 1994, pgs. 937-946	
	C6	MINEGISHI, M. et al. , "Structure and function of Cas-L, a 105 kD Crk-associated substructure-related protein that is involved in beta-1 integrin-mediated signaling in lymphocytes," JOURNAL OF EXPERIMENTAL MEDICINE , Vol. 184, No. 4, 1 October 1996, pgs. 1365-1375	
	C7	JIN, Y-J. et al. , "The 25-kDa FK506-binding protein is localized in the nucleus and associated with casein kinase II and nucleolin," PROC. NAT'L. ACAD. SCI. USA , Vol. 90, August 1993, pgs. 7769-7773	
	C8	NOCE, T. et al. , "Expression of a mouse zinc finger protein gene in both spermatocytes and oocytes during meiosis," DEVELOPMENTAL BIOLOGY , Vol. 153, No. 2, October 1992, pgs. 356-367	
	C9	ONO, M. et al. , "Nucleotide sequence of human endogenous retrovirus genome related to the mouse mammary tumor virus genome," JOURNAL OF VIROLOGY , Vol. 60, No. 2, 1 November 1986, pgs. 589-598	
	C10	HUNG, D.T. et al. , "cDNA cloning of a human 25 kDa FK506 and rapamycin binding protein," BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS , Vol. 184, No. 2, 30 April 1992, pgs. 733-738	
	C11	JIN, Y-J. et al. , "Molecular cloning of a 25-kDa high affinity rapamycin binding protein, FKBP25," JOURNAL OF BIOLOGICAL CHEMISTRY , Vol. 267, No. 16, 5 June 1992, pgs. 10942-10945	
	C12	MACLEOD, A.R. et al. , "A muscle-type tropomyocin in human fibroblasts: evidence for expression by an alternative RNA splicing mechanism," Vol. 82, December 1985 , pgs. 7835-7839	
	C13	MIKI, Y. et al. , "A strong candidate for the breast and ovarian cancer susceptibility gene BRCA1," SCIENCE , Vol. 266, No. 12, 7 October 1994, pgs. 66-71	
	C14	NAGASE, T. et al. , "Prediction of the coding sequences of unidentified human genes VI. the coding sequences of 80 new genes (KIAA0201-KIAA0280) deduced by analysis of cDNA clones from cell line KG-1 and brain," DNA RESEARCH , Vol. 3, No. 5, 1 January 1996, pgs. 321-329	

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 09/462,929	DOCKET NO.: L0461.70078US00
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				INT'L. FILING DATE: 07/15/1998	Confirmation No.: 5664
				APPLICANT: Old, et al.	
Sheet	3	of	5	GROUP ART UNIT: 1634	EXAMINER: Sisson, Bradley L.

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C15	LI, H. et al., "Isolation and sequence analysis of the human syntaxin-encoding gene," GENE, Vol. 143, 1994, pgs. 303-304	
	C16	FISHER, D.Z. et al., "cDNA sequencing of nuclear lamins A and C reveals primary and secondary structural homology to intermediate filament proteins," PROC. NAT'L. ACAD. SCI. USA, Vol. 83, September 1986, pgs. 6450-6454	
	C17	FRANZEN, B. et al., "Analysis of polypeptide expression in benign and malignant human breast lesions: down-regulation of cytokeratins," BRITISH JOURNAL OF CANCER, Vol. 73, 1996, pgs. 1632-1638	
	C18	BOON T. et al., "Tumor antigens recognized by T cells," IMMUNOLOGY TODAY, Vol. 18, No. 6, June 1997, pgs. 267-268	
	C19	SAHIN, U. et al., "Human neoplasms elicit multiple specific immune responses in the autologous host," PROC. NAT'L. ACAD. SCI. USA, Vol. 92, December 1995, pgs. 11810-11813	
	C20	ALAIYA, A.A. ET AL., "Phenotypic analysis of ovarian carcinoma: polypeptide expression in benign, borderline and malignant tumors," JOURNAL OF CANCER, Vol. 73, No. 5, 27 November 1997, pgs. 678-683	
	C21	GURE, A.O. et al., "Human lung cancer antigens recognized by autologous antibodies: definition of a novel cDNA derived from the tumor suppressor gene locus on chromosome 3p21.3," CANCER RESEARCH, Vol. 58, 1 March 1998, pgs. 1034-1041	
	C22	SCANLAN, M.J. et al., "Characterization of human colon cancer antigens recognized by autologous antibodies," INTERNATIONAL JOURNAL OF CANCER, 29 May 1998, pgs. 652-658	
	C23	NAGASE, T. et al., "Prediction of the coding sequence of unidentified human genes. IX. The complete sequence of 100 new cDNA clones from brain which can code for large proteins in vivo," DNA RESEARCH, Vol. 5, 28 February 1998, pgs. 31-39	
	C24	JONES, M.H. et al., "Identification and characterization of BRDT: a testis-specific gene related to the bromodomain genes RING3 and Drosophila fsh.", GENOMICS, Vol. 45, No. 3, 1 November 1997, pgs. 529-534	
	C25	ISHIKAWA, K. et al., "Prediction of the coding sequences of unidentified human genes. X. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro," DNA RESEARCH, Vol. 5, No. 321, 30 June 1998, pgs. 169-176	
	C26	SCANLAN, M.J. et al., "Isoforms of the human PDZ-73 protein exhibit differential tissue expression," BIOCHIMA ET BIOPHYSICA ACTA, Vol. 1445, No. 1, 1999, pgs. 39-52	
	C27	DRABKIN H.A. et al., "DEF-3(g16/NV-LU-12), an RNA binding protein from the 3p21.3 homozygous deletion region in SCLC," ONCOGENE, Vol. 18, 1999, pgs. 2589-2597	
	C28	VAUGHAN, J.H. et al., Database EMBL-EMHUM1, entry HSIGGAUA, Acc. no. L38696, "Homo sapiens autoantigen p542 mRNA, complete cds," 17 February 1995	
	C29	NOCE, T. et al., Database EMBL-EMROD, entry MMZFP51, Acc. no. D10630, "Mouse mRNA for zinc finger protein, complete cds," 8 November 1992	
	C30	FUJIWARA, T. et al., Database EMBL-EMEST16, entry HSC9958, Acc. no. C15995, "Human fetal brain cDNA 5'-end GEN-421G02," 29 September 1996	
	C31	HILLIER, L. et al., Database EMBL-EMEST13, entry HS570350, Acc. no. W45570, "zc26f08.s1 Soares senescent fibroblasts nbHSF Homo sapiens cDNA clone 323463 3'," 27 May 1996	
	C32	HILLIER, L. et al., Database EMBL-EMEST15, entry HSA07407, Acc. no. AA007407, "zh97b08.r1 Soares fetal liver spleen 1NFLS S1 Homo sapiens cDNA clone 429207 5'," 28 July 1996	

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 09/462,929	DOCKET NO.: L0461.70078US00
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				INT'L. FILING DATE: 07/15/1998	Confirmation No.: 5664
				APPLICANT: Old, et al.	
Sheet	4	of	5	GROUP ART UNIT: 1634	EXAMINER: Sisson, Bradley L.

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C33	ADAMS, M.D. et al. , Database EMBL-EMEST20, entry/acc. no. T09468, "EST07361 Homo sapiens cDNA clone HIBBU63 5' end," 8 August 1993	
	C34	ADAMS, M.D. et al. , "Rapid DNA sequencing (expressed sequence tags) from a directionally cloned human infant brain cDNA library," NATURE GENETICS, Vol. 4:, 1993, pgs. 373-380	
	C35	ADAMS, M.D. et al. , Database EMBL-EMEST17, entry HSZZ32361, Acc. no. AA327309, "EST30621 Colon I Homo sapiens cDNA 5' end," 18 April 97	
	C36	ADAMS, M.D. et al. , "Initial assessment of human gene diversity and expression patterns based upon 83 million nucleotides of cDNA sequence," NATURE, Vol. 377, 1995, pgs. 3-174	
	C37	HILLIER, L. et al. , Database EMBL-EMEST15, entry HSAA33416, Acc. no. AA133416, "zk96e08.r1 Soares pregnant uterus NbHPU Homo sapiens cDNA clone 490694.5'," 6 December 1996	
	C38	HILLIER, L. et al. , Database EMBL-EMEST11, entry HS1282878, Acc. no. AA487071, "ab18f11.s1 Stratagene lung (#937210) Homo sapiens cDNA clone 841197 3' similar to contains Alu repetitive element," 28 June 1997	
	C39	HILLIER, L. et al. , Database EMBL-EMEST15, entry HSAA21198, Acc. no. AA121198, "z188g08.r1 Stratagene colon (#937204) Homo sapiens cDNA clone 511742 5'," 21 November 1996	
	C40	HILLIER, L. et al. , Database EMBL-EMEST15, entry HSAA21174, Acc. no. AA121174, "z188g08.s1 Stratagene colon (#937204) Homo sapiens cDNA clone 511721.3'," 21 November 1996	
	C41	NATHANS, J. , Database EMBL-EMEST17, entry HSW22160, Acc. no. W22160, "63A6 Human retina cDNA Tsp5091-cleaved sublibrary Homo sapiens cDNA not directional," 9 May 1996	
	C42	HILLIER, L. et al. , Database EMBL-EMEST15, entry HSA29201, Acc. no. AA029201, "zk12f08.s1 Soares pregnant uterus NbHPU Homo sapiens cDNA clone 470343.3," 20 August 1996	
	C43	NATHANS, J. , Database EMBL, Entry HSW29097, Acc. No. W29097, "56d11 Human retina cDNA randomly primed sublibrary Homo sapiens cDNA," 14 May 1996	
	C44	MIKI, Y. et al. , Database EMBL-EMEST5, entry/acc. no. AF039241, "Homo sapiens clone 11-67js mRNA, partial sequence," 17 January 1998	
	C45	MARRA, M. et al. , Database EMBL-EMEST18, entry MM1140465, Acc. no. AA221749, "my28g01.r1 Barstead mouse pooled organs MPLRB4 Mus musculus cDNA clone 697200 5' similar to TR:E239664 E239664 CHROMOSOME XIV READING FRAME ORF YNL021W," 15 February 1997	
	C46	NOMURA, N. , Database EMBL-ENHUM1, entry HSD455, Acc. no. D87455, "Human mRNA for KIAA0266 gene, complete cds," 9 November 1996	
	C47	HILLIER, L. et al. , Database EMBL-EMEST16, entry HSAA51187, Acc. no. AA151187, "zo03c11.r1 Stratagene colon (#937204) Homo sapiens cDNA clone 566612 5'," 15 December 1996	
	C48	LATIF, F. et al. , Database EMBL-EMHUM2, entry HSU50839, Acc. no. U50839, "Homo sapiens g16 protein (g16) mRNA, complete cds," 9 March 1997	
	C49	STRAISBERT, R. , Database EMBL-EMEST11, entry HS1188646, Acc. no. AA285170, "ZS48F04.S1 nci_cgcap_gcb1 Homo sapiens cDNA clone IMAGE:700735 3'," 5 April 1997	

FORM PTO-1449/A and B (Modified)				APPLICATION NO.: 09/462,929	DOCKET NO.: L0461.70078US00
				INT'L. FILING DATE: 07/15/1998	Confirmation No.: 5664
				APPLICANT: Old, et al.	
Sheet	5	of	5	GROUP ART UNIT: 1634	EXAMINER: Sisson, Bradley L.

Examiner's Initials#	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	C50	HILLIER, L. et al., Database EMBL-EMEST16, entry HSAA54222, Acc. no. AA454222, "zx48g12.s1 Soares testis NHT Homo sapiens cDNA clone 795526 3' similar to gb:D42040 RING3 PROTEIN (HUMAN)," 11 June 1997	
	C51	HILLIER, L. et al., Database EMBL-EMEST11, entry HS125289, Acc. no. AA454221, "zx48g12.r1 Soares testis NHT Homo sapiens cDNA clone 795526 5' similar to TR:E243068 E243068 KINASE," 11 June 1997	
	C52	MARRA, M. et al., Database EMBL-EMEST20, entry MMAA84412, Acc. no. AA184412, "mt34f07.r1 Soares mouse 3NbMS Mus musculus cDNA clone 622981 5' similar to SW:OXYB HUMAN P22059 OXYSTEROOL-BINDING PROTEIN," 19 February 1997	
	C53	HINDS, K. et al., Database EMBL-EMHUM1, entry/acc. no. AC004022, "Homo sapiens BAC clone GS155M11 from 7q21-q22, complete sequence," 22 January 1998	
	C54	NAGASE, T. et al., Database EMBL, entry/acc. no. AB011172, "Homo sapiens mRNA for KIAA0600 protein, partial cds," 10 April 1998	
	C55	CHEN Y.T. et al., "A testicular antigen aberrantly expressed in human cancers detected by autologous antibody screening," PROC. NATL. ACAD. SCI. USA, Vol. 94, pgs. 1914-1918, March, 1997	

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - The Office has waived the requirement under 37 CFR 1.98 (a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications.]

+